Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/07/2018 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125016	0	1.49	124889	1.45
Blue	F	SSC	125000	123936	-1	3.56	124173	3.34
Blue	E	FITC	23615	22897	-4	2.62	1022	10.35
Blue	D	PE	26739	26525	-1	2.15	950	10.50
Blue	B	PerCP-Cy5-5	48339	47161	-3	3.68	1362	17.58
Blue	A	PE-Cy7	45021	44753	-1	5.40	713	36.93
Red	C	APC	53064	52568	-1	2.73	3000	9.62
Red	A	APC-Cy7	57175	56027	-3	2.77	1200	11.23
Violet	B	V450	14728	14040	-5	4.93	665	9.77
Violet	A	V500	58621	56921	-3	4.80	2516	7.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19226	2.41	611	-3	N/A	N/A	Pass
Blue	F	SSC	61262	1.47	557	11	N/A	N/A	Pass
Blue	E	FITC	111	39.30	547	-1	0.0203	121	Pass
Blue	D	PE	208	30.61	540	4	0.1376	226	Pass
Blue	B	PerCP-Cy5-5	212	45.98	638	3	0.0092	65	Pass
Blue	A	PE-Cy7	75	124.43	698	5	0.0106	13	Pass
Red	C	APC	342	28.74	599	2	0.0197	76	Pass
Red	A	APC-Cy7	130	41.04	582	2	0.0054	1775	Pass
Violet	B	V450	81	44.31	466	-4	0.0427	1951	Pass
Violet	A	V500	182	24.21	494	-3	0.0131	487	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.72	-31.19	0.93
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.23	14.40 - 21.60	N/A	N/A	30.89	31.40	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9657

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments